



Steambaths and Saunas

Steambath Generators

Models: SM-4, SM-5, SM-7 and SM-8

The Steamist "SM" Generator comes factory assembled, carefully wired and tested.

The Plumbing Installation must conform to local and national codes. All electrical power should be turned OFF when working with Steam Generator.

1. Pre-Installation

- a) Be sure that the proper size Steam Generator has been selected by using the sizing page in the "Full Line Brochure," "Pricing Guide," "The Generator Sizing Guide," "Architectural Guidelines," or in the Residential Systems/Steambath Product Information section of the Steamist website - www.steamist.com.

CAUTION: An improperly sized Steam Generator may NOT produce the amount of steam necessary to reach selected temperature.

IMPORTANT: Refer to page 4 for model required for cubic foot rating.

- b) The Steam Generator should be located as close as possible to the Steamroom/Shower or tub enclosure. Steam pipe should NOT exceed twenty-five feet in length. If the steam pipe exceeds ten feet, use an appropriate pipe insulation rated for a minimum of 212°F. Possible locations include Vanity, Closets, Attic (insulated), or Basement near bath area. The serial number plate should be visible and the Steam Generator should be accessible for service. Refer to Installation Suggestions on page 4. Do NOT install Generator outdoors, in a moist, humid area, or in an area where parts may freeze or corrode. Also, do NOT install near flammable materials such as paints, thinners, gasoline, etc.
- c) The steam line and safety valve reach a temperature of 212°F during operation and should be appropriately protected to prevent personal injury by accidental contact.

2. Plumbing Rough-in

Plumbing rough-in is required for the water supply and steam line; this should be completed before the walls are closed. For operation, the "SM" Steam Generator requires a $\frac{3}{8}$ " O.D. copper tubing to the fitting on the generator for water inlet and a $\frac{3}{4}$ " copper or brass pipe for steam outlet.

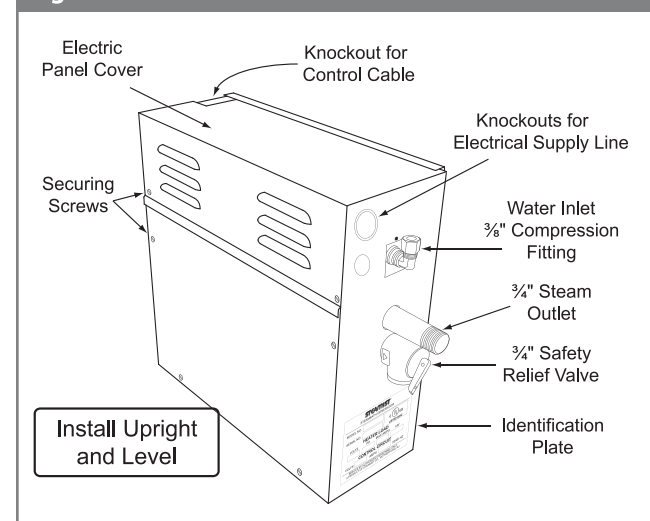
NOTE: Safety Valve should be connected to a minimum $\frac{3}{4}$ " indirect waste or as required by local plumbing codes. In the unlikely event this valve should open, the discharge must be directed to prevent damage to the home. Do

Do NOT connect the Safety valve output to the steam line.

- a) **Water Inlet** - A water line should be roughed in from existing $\frac{1}{2}$ " hot or cold water pipe. Using a $\frac{1}{2}$ " x $\frac{3}{8}$ " tee, cut and solder tee into the existing water line (see Figure 4 on page 3). Solder a piece of $\frac{3}{8}$ " copper tubing into tee. The max water pressure should not exceed 125psi. Rough-in for water supply is now complete.
- b) **Steam Outlet** - Rough in the steam line using a minimum of a $\frac{3}{4}$ " copper or brass pipe; do NOT use black iron or galvanized pipe, it will rust and discolor the wall of the steambath. The steamhead location should be 18" above the shower floor or 6" above the rim of the bathtub, as far from the seating area as possible. Also, do NOT use plastic type water lines as a steam line.

CAUTION: No shutoff valve can be installed in the steam line. Do NOT create traps or valleys in this line which would trap condensation and block the flow of steam. The steam pipe should be pitched toward the Steam Generator allowing condensation to run back toward the Steam Generator (preferred), or toward the steamhead. If steam generator is equipped with a drain valve, do NOT connect the drain pipe to the steam line.

Figure 1 - Steam Generator



WARNING: Elderly persons, pregnant women, or those suffering from heart disease, high blood pressure, diabetes, or who are otherwise not in good health, do not use this device unless directed to do so by a physician. Also, do not use steambath while under the influence of alcohol. For additional Important Safety Information, please see a separate instruction sheet Pub. No. 199.

IMPORTANT: The warranty of this product is voided if it is used in a commercial application or for anything other than a residential steambath installation.

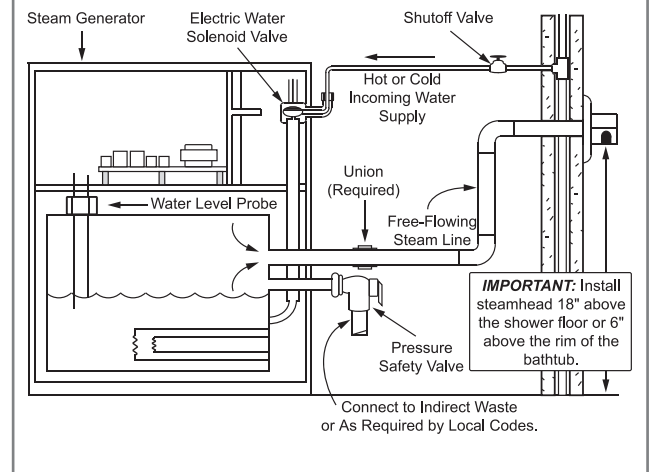
3. Steam Generator Installation

The Steam Generator should be mounted in a location convenient for hook-up and service by the plumber and electrician.

CAUTION: The Steam Generator is designed to be used **ONLY** in an upright and level position; to do otherwise would damage the unit and void the warranty.

- a) The Steam Generator can be mounted to a wall or set on the floor. However, the unit must be secured. To secure the unit to a vertical wall, loosen the two screws holding the electrical access cover, remove cover (see Figure 1). Located inside the cabinet near the top left and right corners are mounting holes. Place top cover back and secure.
 - b) Connect the 3/8" water supply, described in Section 2, to the Steam Generator by first soldering a 3/8" valve into the previously installed water line. The valve must be kept in an open position during normal operation. In areas where high water pressure may be a problem, a water hammer arrestor or a pressure regulator should be installed. Complete water supply by connecting 3/8" copper tubing from the valve to the water inlet compression fitting. Refer to Figure 2.
- IMPORTANT:** Do NOT use a "saddle valve" or piercing type valve for water connection.
- c) Connect the steam line from rough-in location described in Section 2 to the 3/4" nipple on the Steam Generator using a union.

Figure 2 - Plumbing Diagram



- d) In the shower, place the center of the escutcheon onto the steam pipe and screw the steamhead into place. Care must be taken not to scratch the steamhead or escutcheon with wrench. Be sure the steam slot in the steamhead is facing down. After the plumbing connections are complete the electrician may finish wiring the unit.

Installation Instruction for Steamhead & Escutcheon

(Supplied with control package)

1. Be sure the steam pipe is installed with the proper length pipe protruding through the wall.
2. Apply silicone sealant around the pipe to seal the pipe to the wall.
3. Slip the Escutcheon over the Steamhead loosely.
4. Screw on the Steamhead making sure the steam opening is facing down.
5. Hold the Escutcheon against the wall and tighten the retaining screw facing down.

IMPORTANT: An optional steam diffuser (Not Included) is strongly recommended for small steamrooms. This option helps to better diffuse the steam and makes the steambath more comfortable. This option may not be necessary in larger steamrooms where the bather is sitting a few feet away from the steamhead.

NOTE: For the 3199 series steam head installation, please see separate installation Pub# 123.

Figure 3

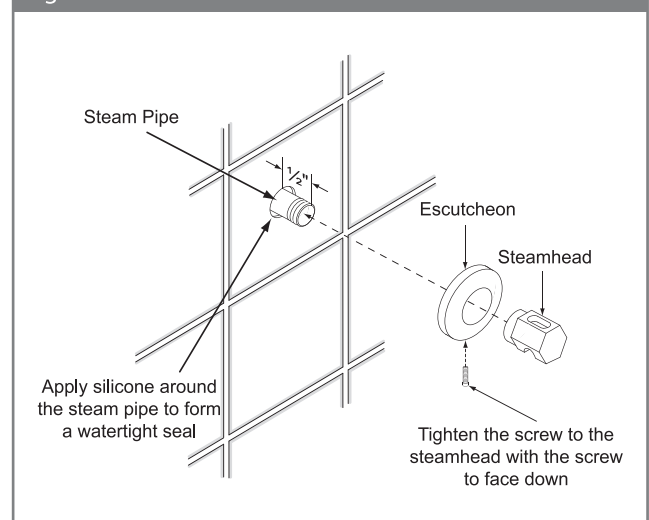
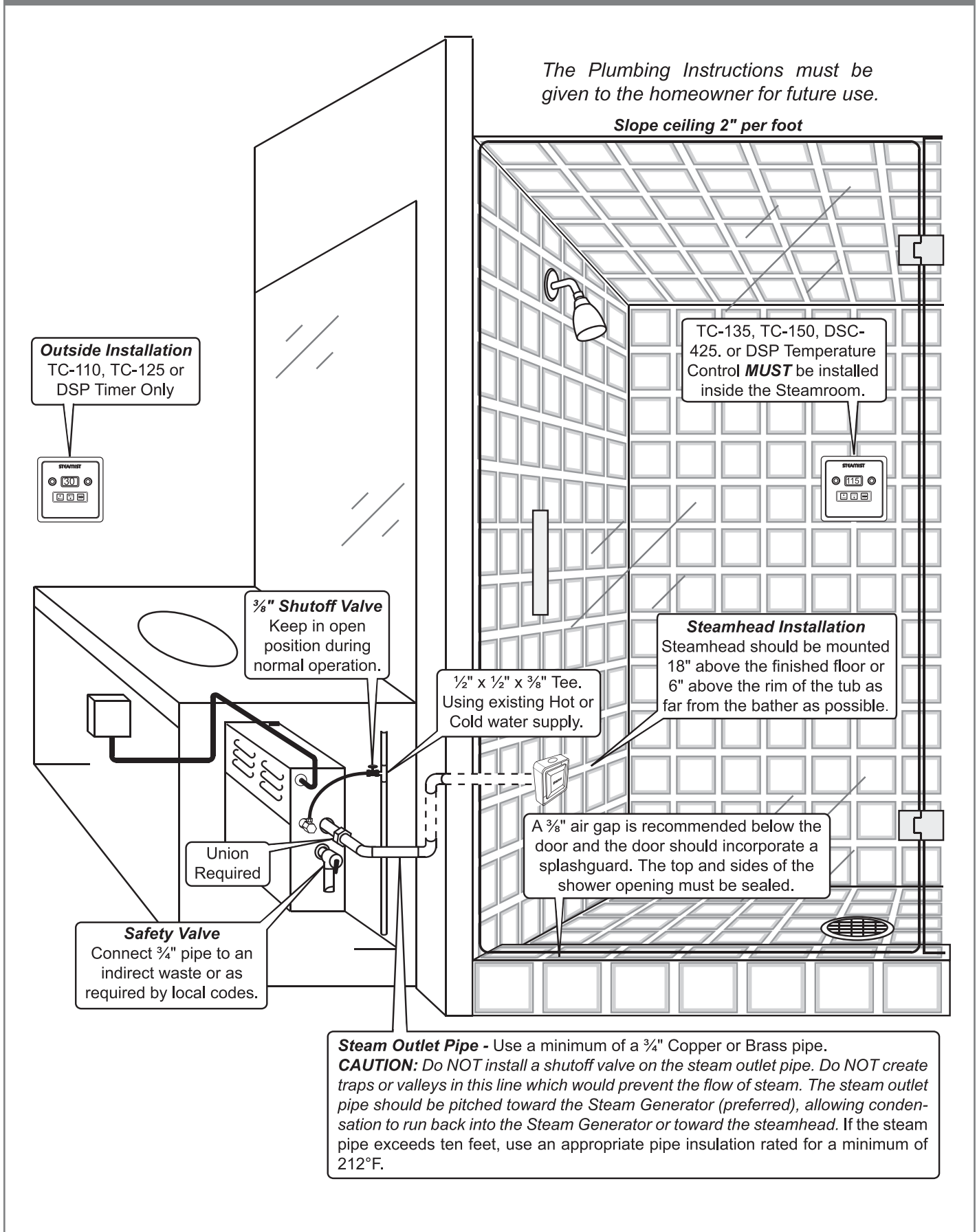


Figure 4 - Typical Installation

Models: SM-4, SM-5, SM-7 and SM-8



Access Requirements

Models: SM-4, SM-5, SM-7 and SM-8

Select a location for mounting the Steam Generator that is accessible for installation and service. The access requirement indicates the minimum space for convenient access to Steam Generator.

CAUTION: All models must be installed INDOORS, in a DRY, NON-FREEZING location away from flammable materials such as: Gasoline, Paints, Thinners, Etc.

IMPORTANT: Steam Generator must be installed upright and level.

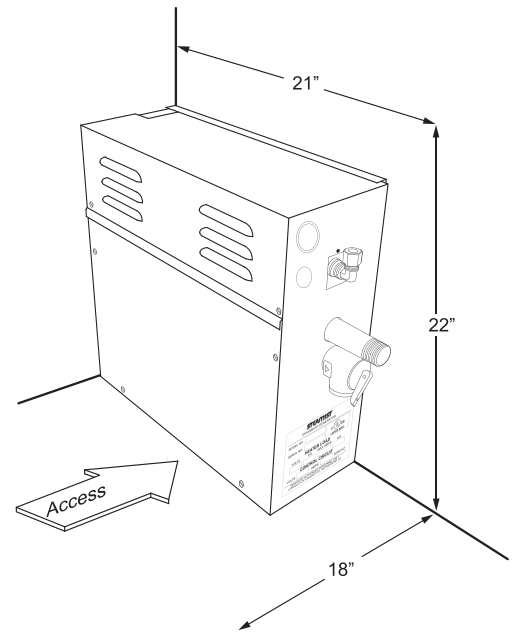
NOTE: This steam generator is NOT intended to be used for space heating purposes.

Specification Chart

Model No.	*Max. Cu. Ft. For Area Up To	KW	Volt	Phase	Amps	Wire Size 90°C Copper AWG	Line Fuse
SM-4	65	4	240	1	17	10	25
			208	1	19	10	25
SM-5	90	5	240	1	21	10	30
			208	1	24	10	30
SM-7	210	7	240	1	29	8	40
			208	1	34	8	45
SM-8	275	8.5	240	1	35	8	45
			208	1	41	6	60

*Refer to the Steamist Sizing Guide for actual Cu. Ft. capacity.

Figure 5



Installation Suggestions

